#4) Power of atty 6/12/02

EY FROM ASSIGNEE

Broadcom Corporation, a corporation of California, having a principal place of business at 16215 Alton Parkway, Irvine, CA 92618-3616, is assignee of the entire right, title and interest for the United States of America (as defined in 35 U.S.C. § 100), by reason of an Assignment to the Assignee executed on 1/28/02 of an invention known as Apparatus for Reducing Flicker Noise in a Mixer Circuit (Attorney Docket No. 5/17/02 1875.1210003/RES/JTH), which is disclosed and claimed in a patent application of the same title by the inventor James Y.C. Chang (said application filed on November 29, 2001 at the U.S. Patent and Trademark Office, having Application Number 09/995,690).

The Assignee hereby appoint the U.S. attorneys associated with CUSTOMER NUMBER 28393 to prosecute this application and any continuation, divisional, continuation-in-part, or reissue application thereof, and to transact all business in the U.S. Patent and Trademark Office connected therewith, such attorneys currently being: Robert Greene Sterne, Esq., Reg. No. 28,912; Edward J. Kessler, Esq., Reg. No. 25,688; Jorge A. Goldstein, Esq., Reg. No. 29,021; David K.S. Cornwell, Esq., Reg. No. 31,944; Robert W. Esmond, Esq., Reg. No. 32,893; Tracy-Gene G. Durkin, Esq., Reg. No. 32,831; Michele A. Cimbala, Esq., Reg. No. 33,851; Michael B. Ray, Esq., Reg. No. 33,997; Robert E. Sokohl, Esq., Reg. No. 36,013; Eric K. Steffe, Esq., Reg. No. 36,688, Michael Q. Lee, Esq., Reg. No. 35,239; Steven R. Ludwig, Esq., Reg. No. 36,203; John M. Covert, Esq., Reg. No. 38,759; Linda E. Alcorn, Esq., Reg. No. 39,588; Lawrence B. Bugaisky, Esq., Reg. No. 35,086; Donald J. Featherstone, Esq., Reg. No. 33,876; and Robert C. Millonig, Esq., Reg. No. 34,395; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, and James D. Bennett, Registration No. 37,550 and David J. Rosmann, Registration, No. 43,059. The Assignee hereby grants said attorneys the power to insert on this Power of Attorney any further identification that may be necessary or desirable in order to comply with the rules of the U.S. Patent and Trademark Office.

Send correspondence to:

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 New York Avenue, N.W. Suite 600 Washington, D.C. 20005-3934 U.S.A.

Technology Center 2600

Direct phone calls to 202-371-2600.

FOR:	Broadcom Corporation /
SIGNATURE:	Manhl
BY:	William J. Ruehle
TITLE:	Vice President and Chief Financial Officer
DATE:	4/1/02



Applica	ant <u>Ja</u>	mes 1.C. Chang				
Applica	ation No.:_	09/995,690	<u> </u>	Filed:_	November 29, 2001	
Entitled	d: <u>Appara</u>	tus for Reducing Flick	er Noise in a Mixe	er Circuit		
	Broadco	m Corporation (Name of Assignee)	, a	corpora	tion 3., corporation, partnership, university, government agency, etc.)	
		(Name of Assignee)	(1y	pe of Assignee, e.g	RECEIVED	
states th	hat it is:					
1. [X] the assignee of the entire right, title, and interest,			title, and interest, o	r	MAY 2 1 2002	
2. []	an assignee of an undivided part interest		t interest		Technology Center 2600	
in the p	atent appl	ication/patent identified	l above by virtue of	f either:		
A. [] OR	An Assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel, Frame, or for which a copy thereof is attached.					
B.[]	A chain of title from the inventor(s) of the patent application/patent identified above to the current assignee as shown below:					
			orded in the Patent me, or	and Trader for which	mark Office at a copy thereof is attached.	
	2. From:	The document was rec	orded in the Patent	and Trader	mark Office at a copy thereof is attached.	
	3. From:	The document was rec	orded in the Patent	and Trader		
	[] Addi	tional documents in the	chain of title are li	isted on a s	upplemental sheet.	
[X]C	[NOTE:		the original assignn Assignment Divis	nent docum	nent or a true copy of the original ordance with 37 CFR Part 3, if the	
The un	dersigned	(whose title is supplied	below) is empower	red to act o	on behalf of the assignee.	
Date:	4/1/	02				
Name:		William J. Ruehl Vice President a	e and Chief Finan	iclal Offic	cer	
Title:		1111	1			
Signatu	ıre:	MUK	nhy			
D-\TICED C\C	23711 1 1 A B A 17717	Folder (Now)\1975 \21002\ 2				

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ASSIGNMENT



In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor: <u>James Y.C. Chang</u>, the undersigned inventor hereby sells and assigns to <u>Broadcom Corporation</u> (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es)

 § 100),

 ⊠ and throughout the world,

- (a) in the invention known as Apparatus for Reducing Flicker Noise in a Mixer Circuit for which application for patent in the United States of America has been executed by the undersigned on $\frac{1/28/02}{\text{November 29, 2001}}$, in any and all applications thereon, in any and all Letters Patent(s) therefor, and
- (b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and
- (c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

DO NOT FORWARD
TO ASSIGNMENT BRANCH
NOT FOR RECORDATION

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michael A. Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; Linda E. Alcorn, Esquire, Registration No. 39,588; Lawrence B. Bugaisky, Esquire, Registration No. 35,086; Donald J. Featherstone, Esquire, Registration No. 33,876; and Robert C. Millonig, Esquire, Registration No. 34,395, all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, and James D. Bennett, Registration No. 37,550, and David J. Rosmann, Registration. No. 43,059, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor on the date opposite his/her name.

Date: 1/28/02

Signature of Inventor

James Y.C. Chang



Robert Greene Steme Edward J. Kessler Jorge A. Goldstein David K.S. Comwell Robert W. Esmond Tracy-Gene G. Durkin Michaele A. Cimbala Michael B. Ray Robert E. Sokohl Eric K. Steffe Michael Q. Lee Steven R. Ludwig John M. Covert Linda E. Alcom Robert C. Millonig Lawrence B. Bugaisky Donald J. Featherston Michael V. Messinger Judith U. Kim Timothy J. Shea, Jr. Patrick E. Garrett Jeffery T. Helvey* Heidi L. Kraus Crystal D. Sayles Edward W. Yee Albert L. Ferro* Donald R. Banowit Peter A. Jackman Molly A. McCall Teresa U. Medler Jeffrey S. Weaver Kendrick P. Patterson Vincent L. Capuano Albert J. Fasulo II* Eldora Ellison Floya W. Russell Swindell

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Senior Counsel Samuel L. Fox Kenneth C. Bass III Registered Patent Agents Karen R. Markowicz Andrea J. Kamage Nancy J. Leith Joseph M. Conrad III Ann E. Summerfield Helene C. Cartson Gaby L. Longsworth Matthew J. Dowd Aaron L. Schwartz Angelique G. Uy Boris A. Matvenko Mary B. Tung

*Admitted only in Maryland *Admitted only in Virginia *Admitted only in Texas

May 17, 2002

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Technology Center 2600

WRITER'S DIRECT NUMBER: (202) 371-2675 INTERNET ADDRESS: JHELVEY@SKGF.COM

Art Unit: 2614

Commissioner for Patents Washington, D.C. 20231

Re:

U.S. Utility Patent Application

Appl. No.09/995,690; Filed: November 29, 2001

For: Apparatus for Reducing Flicker Noise in a Mixer Circuit

Inventor:

James Y.C. Chang

Our Ref:

1875.1210003/RES/JTH

Sir:

Transmitted herewith for appropriate action are the following documents:

- 1. An original executed Power of Attorney from Assignee;
- 2. A Certificate under 37 C.F.R. § 3.73(b) from Assignee with a copy of the Assignment attached; and
- 3. Return postcard.

It is respectfully requested that the attached postcard be stamped with the date of filing of these documents, and that it be returned to our courier. In the event that extensions of time are necessary to prevent abandonment of this patent application, then such extensions of time are hereby petitioned.

Sterne, Kessler, Goldstein & Fox PLLC: 1100 New York Avenue, NW: Washington, DC 20005: 202.371.2600 f202.371.2540: www.skgf.com

Commissioner for Patents May 17, 2002 Page 2

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 19-0036.

Respectfully submitted,

STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C.

Jeffrey T. Helvey Attorney for Applicant Registration No. 44,757

JTH/slw Enclosures

SKGF_DC1:15280.1